Receipt date: 03/04/2009 10599232 - GAU: 2811

PTO/SB/08a (01-09)
Approved for use through 02/28/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE pond to a collection of information unless it contains a valid OMB control number.

| Sub | ostitute for form 1449/PTO | | | Complete if Known | |
|-------|----------------------------|---------|--------------|------------------------|------------------------|
| | | | | Application Number | 10/599,232-Conf. #6109 |
| 11 | NFORMATION | I DI | SCLOSURE | Filing Date | October 23, 2006 |
| S | TATEMENT E | 3Y / | APPLICANT | First Named Inventor | Tae Kyung Yoo |
| | | | | Art Unit | 2811 |
| | (Use as many she | eets as | s necessary) | Examiner Name | L. A. Gurley |
| Sheet | 1 | of | 3 | Attorney Docket Number | 21302/0205511-US0 |

| | U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|--|--|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | | |
| 7V.W.7 | AA* | US-20020179923-A1 | 12-05-2002 | Morita et al. | | | | |
| NWJ | AB* | US-6,455,870 | 09-24-2002 | Wang et al. | | | | |
| /V.W./ | AC* | US-20050157765 | 07-21-2005 | Johnson | | | | |
| /V.W./ | AD* | | 07-26-2001 | Kim et al. | | | | |
| N.W./ | AE* | US-7,193,246 | 03-20-2007 | Tanizawa et al. | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | | |
|--------------------------|------|---|--------------------|---|---|----------------|--|--|--|
| Examiner | Cite | Foreign Patent Document | Publication | Name of Patentee or | Pages, Columns, Lines, | | | | |
| Initials* | No.1 | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Date MM-DD-YYYY | Applicant of Cited Document | Where Relevant Passages Or Relevant Figures Appear | T ⁶ | | | |
| /V.W./ | ВА | JP-09-139543 | 05-27-1997 | HITACHI LTD | | 1 | | | |
| /V.W./ | вв | JP-11-074622 | 03-16-1999 | TOKYO SHIBAURA ELECTRIC CO | | 1 | | | |
| /V.W./ | вс | KR-1020010077971 | 08-20-2001 | SAMSUNG ELECTRO- MECHANICS CO., LTD. | | 1 | | | |
| /V.W./ | BD | JP-2003150315 | 05-23-2003 | Lg Philips Lcd Co Ltd | | 1 | | | |
| /V.W./ | BE | KR-1020040047132 | 06-05-2004 | OPTRONIX INCORPORATED | | 1 | | | |
| /V.W./ | BF | JP-983016 | 03-28-1997 | NICHIA CHEM IND LTD | | 1 | | | |

| Examiner Signature /Vernon Webb/ | Date Considered | 02/26/2010 | |
|----------------------------------|--------------------|------------|--|
|----------------------------------|--------------------|------------|--|

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language Translation is attached.

Receipt date: 03/04/2009

10599232 - GAU: 2811

PTO/SB/08a (01-09)
Approved for use through 02/28/2009. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| Sub | Substitute for form 1449/PTO | | | Complete if Known | | |
|-------|------------------------------|---------|------------------------|----------------------|------------------------|--|
| | | | | Application Number | 10/599,232-Conf. #6109 | |
| II. | IFORMATION | I DI | SCLOSURE | Filing Date | October 23, 2006 | |
| S | TATEMENT E | 3Y / | APPLICANT | First Named Inventor | Tae Kyung Yoo | |
| | | | | Art Unit | 2811 | |
| | (Use as many she | eets as | necessary) | Examiner Name | L. A. Gurley | |
| Sheet | neet 2 of 3 | | Attorney Docket Number | 21302/0205511-US0 | | |

| | U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|--|--|
| Examiner Initials* | Cite No.1 | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | - | | |
| | | | | | | | |
| | | • | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| ĺ | | 1 | | | | | |

| | FOREIGN PATENT DOCUMENTS | | | | | | | |
|-----------------------|--------------------------|---|-----------------------------------|--|---|---|--|--|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (# known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | | | |
| /V.W./ | BG | WO-9946822 | 09-16-1999 | NICHIA KAGAKU KOGYO KK | | 1 | | |
| /V.W./ | вн | JP-9266327 | 10-07-1997 | TOYODA GOSEI KK | | 1 | | |
| /V.W./ | ВІ | WO-2005034253 | 04-14-2005 | Showa Denko Kk et al. | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| Examiner Signature /Vernon Webb/ | Considered 11//2014 | 2010 |
|----------------------------------|---------------------|------|
|----------------------------------|---------------------|------|

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.